



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會

# Construction Worker Registration System (CWRS) Seminar

May 2018



# About the CWRS Seminar

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# 1. Terminology

## CWRS - Construction Workers Registration System

- New system to be launch in Dec-2015

## SATM - Site Attendance Module

- Old system using excel files to submit DAR

## Good List

- The list of workers assigned to work on a specific contract or site
- Controlled by the site admin or master admin of an individual contractor.

## Bad List

- The list of workers not allowed to work on a specific site
- Controlled by CIC for all contracts or sites

## DAR – Daily Attendance Record

## NFC – Near Field Communication

## CWRG – Construction Workers Registration Gateway (Front-end portal)

## CWR Card – Construction Workers Registration Card



## 3. Benefits

1. Enhanced flow of collection & submission of DAR
2. More options on card readers to record the workers registration card information
3. Web-based managing platform for daily site administrator work
4. Increased accuracy of DAR collection
5. Simplified registration process for workers
6. Workers can access their DAR on CWR card
7. Multipurpose on one card

# 3. New Construction Workers Registration Card



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## 新 NEW

# 建造業工人註冊證

## Construction Workers Registration Card



**新**  
NEW



**舊**  
OLD

- 👍

記錄其他與建造業相關的資格

Record other construction-related qualifications
- 👍

記錄最近的個人拍卡紀錄

Store latest card tapping records
- 👍

「一證多用」減少帶證數量

Reduce the number of cards to be carried

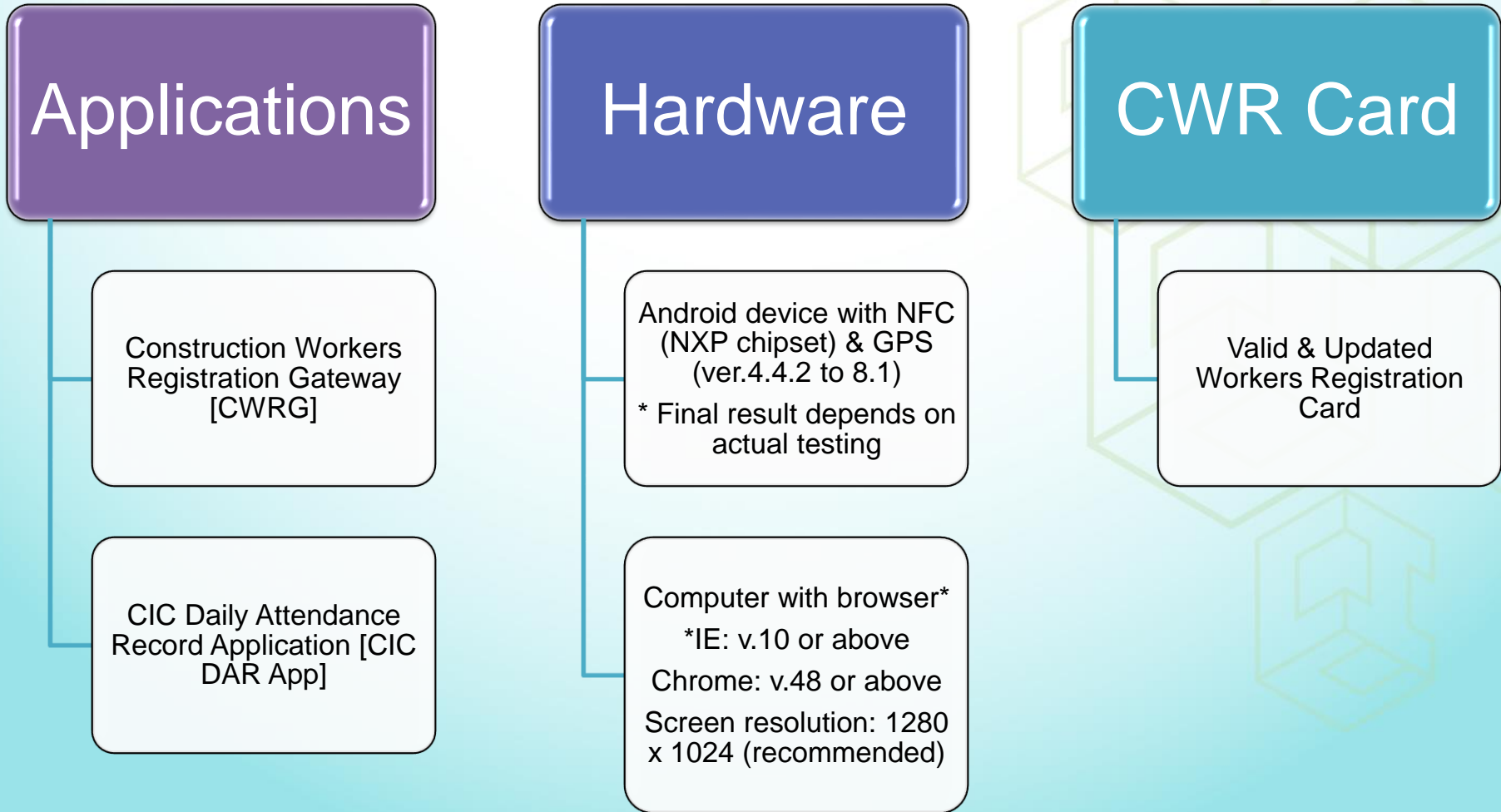


資格列表  
Qualification List

# 4. Roles & Duties

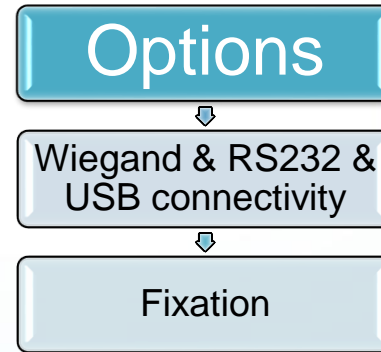
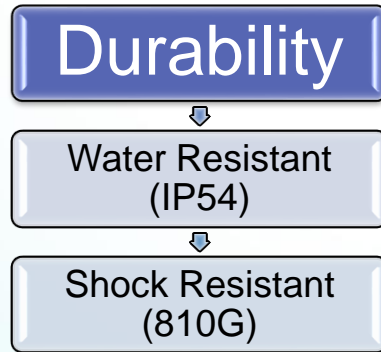
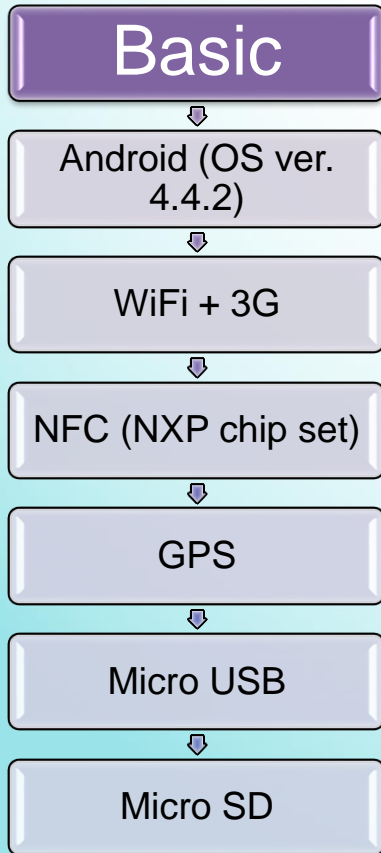
Roles	Duties
Site Admin	<ul style="list-style-type: none"><li>•Manage and edit Good List and DAR</li><li>•Submit DAR via CWRG</li><li>•Login CIC DAR App for admin functions</li></ul>
Master Admin	<p><u>In addition to the access rights of the Site Admin:</u></p> <ul style="list-style-type: none"><li>•Create / manage / delete site admin accounts</li><li>•Manage Contracts</li></ul>
Workers	<ul style="list-style-type: none"><li>•Tap CWR Card on CIC DAR App to create attendance record</li></ul>

# 5. System Components





# 6. CIC Android Device



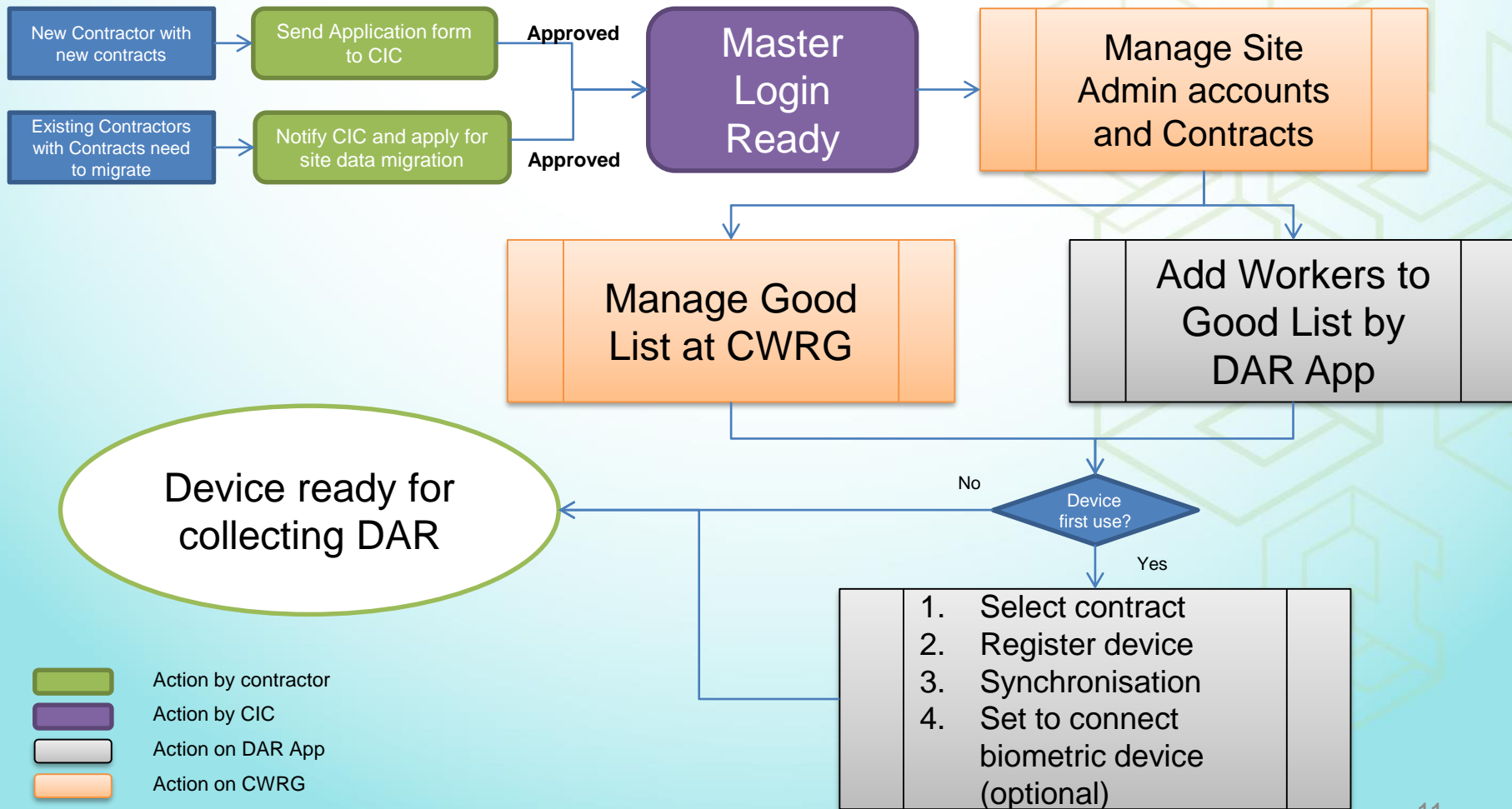
# 7. Other tested Android Devices

1. CAT S41\*
2. HTC One E8
3. HTC One ME
4. HTC Desire 530
5. HTC U Play\*
6. Huawei Honor 6 Plus
7. InFocus Vibe P1
8. LG G3
9. LG G3 Beat
10. LG GPro2
11. LG G4 Stylus
12. LG G5\*
13. LG Sytlus 2\*
14. LG Sytlus 3\*
15. LG X Power
16. LG K10 Power\*
17. LG K10 2017\*
18. Meizu Pro5
19. Nilamtec A1\*\*
20. Nokia 8\*\*
21. Motorola Moto G5 Plus\*
22. Samsung Galaxy A8
23. Samsung Galaxy C5
24. Samsung Galaxy Grand Prime
25. Samsung Galaxy J5 2016
26. Samsung Galaxy Note 5
27. Solution Expert C530
28. Sony Xperia C3
29. Sony Xperia SP
30. Sony Xperia Z5 Premium
31. Sony Xperia M4 Aqua
32. Sony Xperia XA
33. Sony Xperia XA1\*
34. Sony Xperia XA2\*\*
35. UniStrong E7738A1 (HK ver.)
36. UniStrong E7759-B2\*
37. Xiaomi Mi5

(\* Android ver. 7.0)  
(\*\* Android ver. 8.0)

1. The CIC does not hold any bias towards any brands or models of mobile device for DAR operations.
2. The list above is only a record of testing devices. Contractor users are free to choose any mobile device as long as they fulfill the basic requirements for the CIC Attendance apps operations

# 8. Setup Procedure



# 9. Daily Operation after Setup

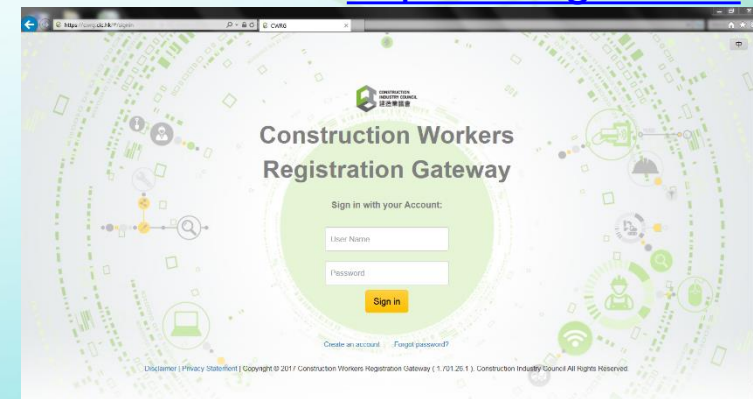
Raw data will synchronize with CWRIS automatically at

- Around 04:00, 10:00, 16:00, 22:00 (4 times daily)
- Duties during the 7-day cycle:
  1. Check raw DAR
  2. Edit DAR if necessary
  3. Submit DAR in time

# 10. Manual Highlight - CWRG

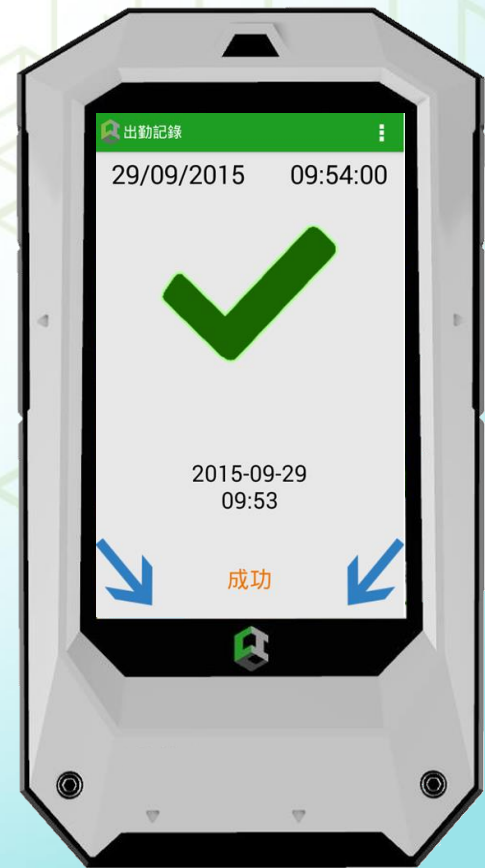
- Contractor/ Contract Profile [[chapter 2.2](#)]
  - Apply new contract/ Update request
- DAR – Editing & Submission [[chapter 2.3](#)]
- Good list Conflicts [[chapter 2.4.1](#)]
- Export and Download [[chapter 2.4.2 & 2.4.4](#)]
- Email notifications [[chapter 2.4.8](#)]
- DAR for verification [[chapter 2.4.9](#)]
- Heartbeat [[chapter 2.4.11](#)]

<https://cwrگ.cic.hk/>



# 11. Manual Highlight - DAR App

- Reminder on Stable Network [[chapter 1.1.2](#)]
- Device De-/Registration [[chapter 1.1.3-4](#)]
- Setup (Tap Indicator, Biometric, Auto-start, Heartbeat, Auto Download, Return Signal Response time) [[chapter 1.1.6](#)]
- Good List Management (Add/ Edit/ Delete) [[chapter 1.2](#)]
- Data Synchronization [[chapter 1.4](#)]





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**Thank you**

